



FACULTY OF ELECTRICAL & ELECTRONICS ENGINEERING
BEE 4213 - Multimedia Technology & Applications
QUIZ 3 – Audio

Name: _____ **ID:** _____

Answer ALL questions [CO2, PO2, C3 / 10 Marks]

Yesterday you have attended two special events on “*Electronic Expo*” in Kuantan, Malaysia. In the first event, you recorded the speech lecture in 13 different audio clips. While in the second event, you recorded 17 campaign songs represented by different singers. Recently, your friend wants to copy the audio files that you recorded into a flash drive which has 202MB free space. The speech parts averaging 180 seconds long and the songs averaging 240 seconds long. Therefore, you need to advise your friend the best sampling rates so that it fit her flash drive storage space. What is the **best sampling rates** and **bit depths** to be used for both lecture speech part and for the songs? You must consider all possible combinations to justify your choice.